

Serial No. 10/798,276

Docket No. ASA-1174

Amendment dated December 19, 2006

Response to Office Action mailed September 19, 2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

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Listing of Claims

1. (Currently Amended) A computer system, comprising:
 - a first OS;
 - a service application operating on the first OS to conduct ordinary business processing;
 - a second OS differing from the first OS; and
 - an analysis and prediction application operating on the second OS; and
 - a multi-OS controller controlling so that the first OS and the second OS execute programs independently from each other,

wherein the first OS holds state information and operation recording information of the first OS itself, and

wherein the analysis and prediction application analyzes contents of information held by the first OS and detects a sign of a failure,

wherein the multi-OS controller includes a memory acquisition controller acquiring location of memory which is used by the first OS and storing the state information and the operation recording information of the first OS,

wherein the first OS comprises an auxiliary program to assist the analysis and

Serial No. 10/798,276
Amendment dated December 19, 2006
Response to Office Action mailed September 19, 2006

Docket No. ASA-1174
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JAN 19 2007

prediction application.

wherein the analysis and prediction application which operates on the second OS, holds lists of a memory location, which stores the state information and the operation recording information of the first OS, acquired by the memory acquisition controller, an analysis method, and processing to be conducted against a failure, and

the auxiliary program conducts the processing against a failure of the first OS by referring to contents of the processing list on the basis of the detected failure sign.

2. (Cancelled)
3. (Original) The computer system according to claim 1, wherein the analysis and prediction application notifies an external terminal of contents of an analyzed failure sign.
4. (Currently Amended) A computer system, comprising:
 - a first computer; and
 - a second computer;
 - the first computer comprising:
 - a first OS;
 - a service application operating on the first OS to conduct ordinary business processing;
 - a second OS differing from the first OS;
 - an analysis and prediction application operating on the second OS; and

Serial No. 10/798,276

Docket No. ASA-1174

Amendment dated December 19, 2006

Response to Office Action mailed September 19, 2006

a multi-OS controller controlling so that the first OS and the second OS execute programs independently from each other,

wherein the first OS holds state information and operation recording information of the first OS itself, and

wherein the multi-OS controller includes a memory acquisition controller acquiring location of memory which is used by the first OS and storing the state information and the operation recording information of the first OS,

wherein the first OS comprises an auxiliary program to assist the analysis and prediction application,

wherein the analysis and prediction application which operates on the second OS, analyzes contents of information held by the first OS, holds lists of a memory location, which stores the state information and the operation recording information of the first OS, acquired by the memory acquisition controller, an analysis method, and processing to be conducted against a failure,

and if the analysis and prediction application has detected a sign of a failure that cannot be subject to self-restoration, the analysis and prediction application notifies the second computer of analyzed contents of the failure and makes the second computer take over processing, and

the auxiliary program conducts the processing against a failure of the first OS by referring to contents of the processing list on the basis of the detected failure sign,

Serial No. 10/798,276

Docket No. ASA-1174

Amendment dated December 19, 2006

Response to Office Action mailed September 19, 2006

5. (Currently Amended) A computer system, comprising:

a plurality of first OS's;

a plurality of service applications respectively operating on the first OS's to conduct ordinary business processing;

a second OS differing from the first OS's; and

an analysis and prediction application operating on the second OS;

a multi-OS controller controlling so that the first OS and the second OS execute programs independently from each other,

wherein each of the first OS's holds state information and operation recording information of the first OS itself, and

wherein the analysis and prediction application analyzes contents of information held by each of the first OS's and detects a sign of a failure,

wherein the multi-OS controller includes a memory acquisition controller acquiring location of memory which is used by the first OS and storing the state information and the operation recording information of the first OS,

wherein the first OS comprises an auxiliary program to assist the analysis and prediction application,

wherein the analysis and prediction application which operates on the second OS, holds lists of a memory location, which stores the state information and the operation recording information of the first OS, acquired by the memory acquisition controller, an analysis method, and processing to be conducted against a failure, and

Serial No. 10/798,276

Docket No. ASA-1174

Amendment dated December 19, 2006

Response to Office Action mailed September 19, 2006

the auxiliary program conducts the processing against a failure of the first OS by referring to contents of the processing list on the basis of the detected failure sign.

6. (Currently Amended) A computer system, comprising a plurality of virtual multi-OS sets, each of the virtual multi-OS sets comprising:

a first OS;

a service application operating on the first OS to conduct ordinary business processing;

a second OS differing from the first OS; and

an analysis and prediction application operating on the second OS;

a multi-OS controller controlling so that the first OS and the second OS execute programs independently from each other,

wherein the first OS holds state information and operation recording information of the first OS itself,

wherein the analysis and prediction application analyzes contents of information held by the first OS and detects a sign of a failure, and

wherein the first OS and the second OS in each of the virtual multi-OS sets are switched alternately to execute operation, and the analysis and prediction application in each of the virtual multi-OS sets analyzes contents of information held by the first OS in the own set and detects a sign of a failure,

wherein the multi-OS controller includes a memory acquisition controller acquiring location of memory which is used by the first OS and storing the state information and the

Serial No. 10/798,276

Docket No. ASA-1174

Amendment dated December 19, 2006

Response to Office Action mailed September 19, 2006

operation recording information of the first OS,

wherein the first OS comprises an auxiliary program to assist the analysis and prediction application,

wherein the analysis and prediction application which operates on the second OS, holds lists of a memory location, which stores the state information and the operation recording information of the first OS, acquired by the memory acquisition controller, an analysis method, and processing to be conducted against a failure, and

the auxiliary program conducts the processing against a failure of the first OS by referring to contents of the processing list on the basis of the detected failure sign.

7. (Original) The computer system according to claim 6, wherein if an analysis and prediction application in one of the virtual multi-OS sets has detected a sign of a failure in the first OS in the own set, the analysis and prediction application notifies other virtual multi-OS sets of analyzed contents of the failure and makes another virtual multi-OS set take over processing.

8. (Currently Amended) A failure sign detecting method in a computer system executing a plurality of OS's, comprising the steps of:

executing a first OS and a second OS in parallel and independent from each other;

analyzing contents of state information and operation recording information held by the first OS and detecting a sign of a failure, by using an analysis and prediction application

Serial No. 10/798,276

Docket No. ASA-1174

Amendment dated December 19, 2006

Response to Office Action mailed September 19, 2006

operating on the second OS; and

acquiring location of memory which is used by the first OS and storing the state information and the operation recording information of the first OS,

processing against a failure of the first OS by referring to contents of a processing list on the basis of the detected failure sign, and

notifying another computer system of the detected sign of the failure.

9. (Original) The failure sign detecting method according to claim 8, wherein the analysis and prediction application holds a list of a memory location to be analyzed, an analysis method, and processing to be conducted against a failure, and conducts processing against a failure of the first OS by using an auxiliary program included in the first OS to assist the analysis and prediction application, referring to contents of the processing list, on the basis of a failure sign.